

ELM POINT WATER TREATMENT PLANT -
WELLFIELD EXPANSION
CITY OF ST. CHARLES, MISSOURI
FEBRUARY 2016

PROJECT NUMBER 15WTR9
TOWNSHIP T47N, RANGE R4E, SECTIONS 13 AND 24

UTILITY NOTE

THE UNDERGROUND UTILITIES SHOWN HEREON ARE TAKEN FROM UTILITY LOCATIONS AS CONTRACTED THROUGH DIGRITE AND MARKED IN THE FIELD BY VARIOUS UNDERGROUND UTILITY LOCATORS, INCLUDING USIC.

DIGRITE TICKET NUMBER(S): #153422051 (12/08/2015)

AMEREN MISSOURI ELECTRIC: MARKED FACILITIES AS SHOWN HEREON. MAPS NOT PROVIDED FOR SITE.

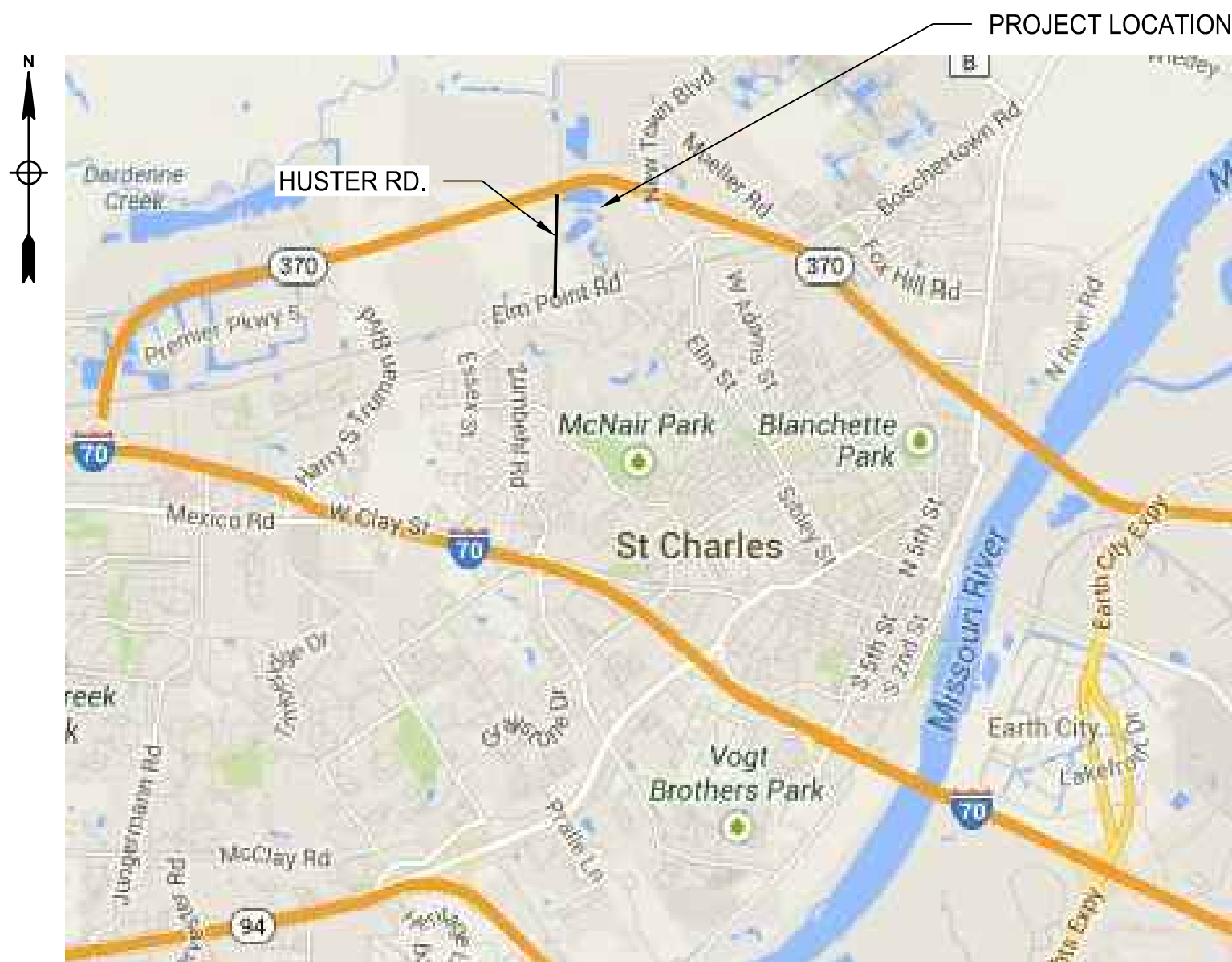
AT&T: MARKED FACILITIES AS SHOWN HEREON. MAPS NOT PROVIDED FOR SITE. FIBER OPTIC – CONTACT Mike Coffey (314) 378-5992.

LACLEDE GAS: MAPS PROVIDED FOR SITE. SITE CLEAR.

CHARTER COMMUNICATIONS: MARKED BURIED FACILITIES AS SHOWN HEREON.

CITY OF ST. CHARLES: MARKED CITY OWNED WATER AND SANITARY SEWER. MAPS PROVIDED FOR SITE.

THE UNDERGROUND UTILITIES SHOWN HEREON ARE TAKEN FROM UTILITY LOCATIONS AS MARKED IN THE FIELD BY DIGRITE AND MAPS OBTAINED FROM THE CITY OF ST. CHARLES WATER AND SEWER AND LACLEDE GAS COMPANY AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMO.



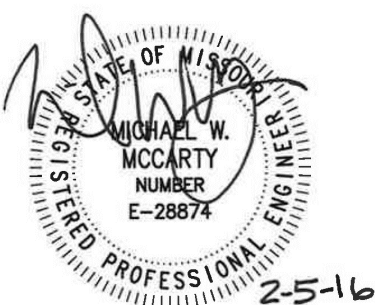
LOCATION MAP
NOT TO SCALE

Jerry Hurlbert Feb. 17, 2016
Director of Public Works Date

JACOBS™

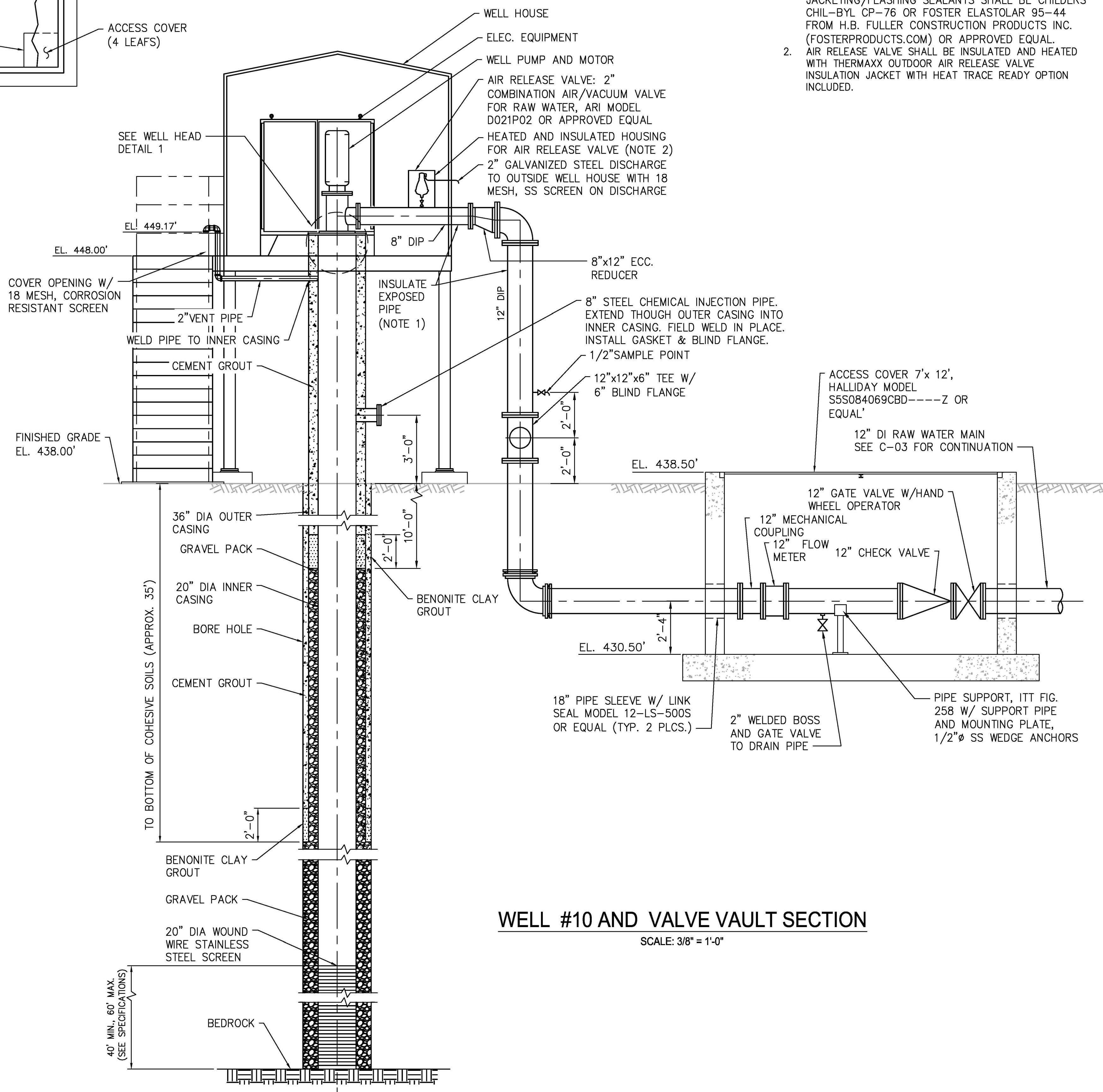
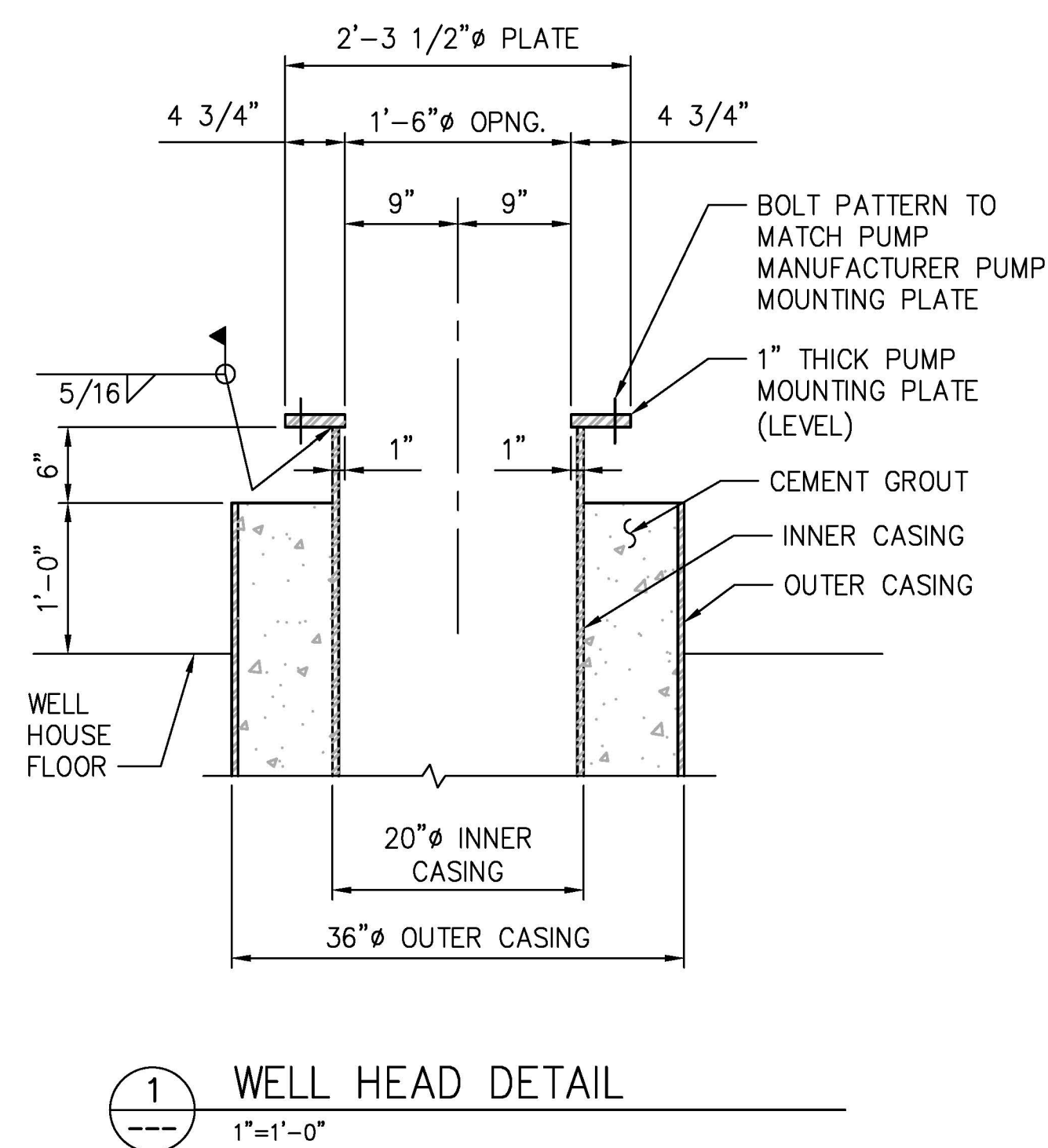
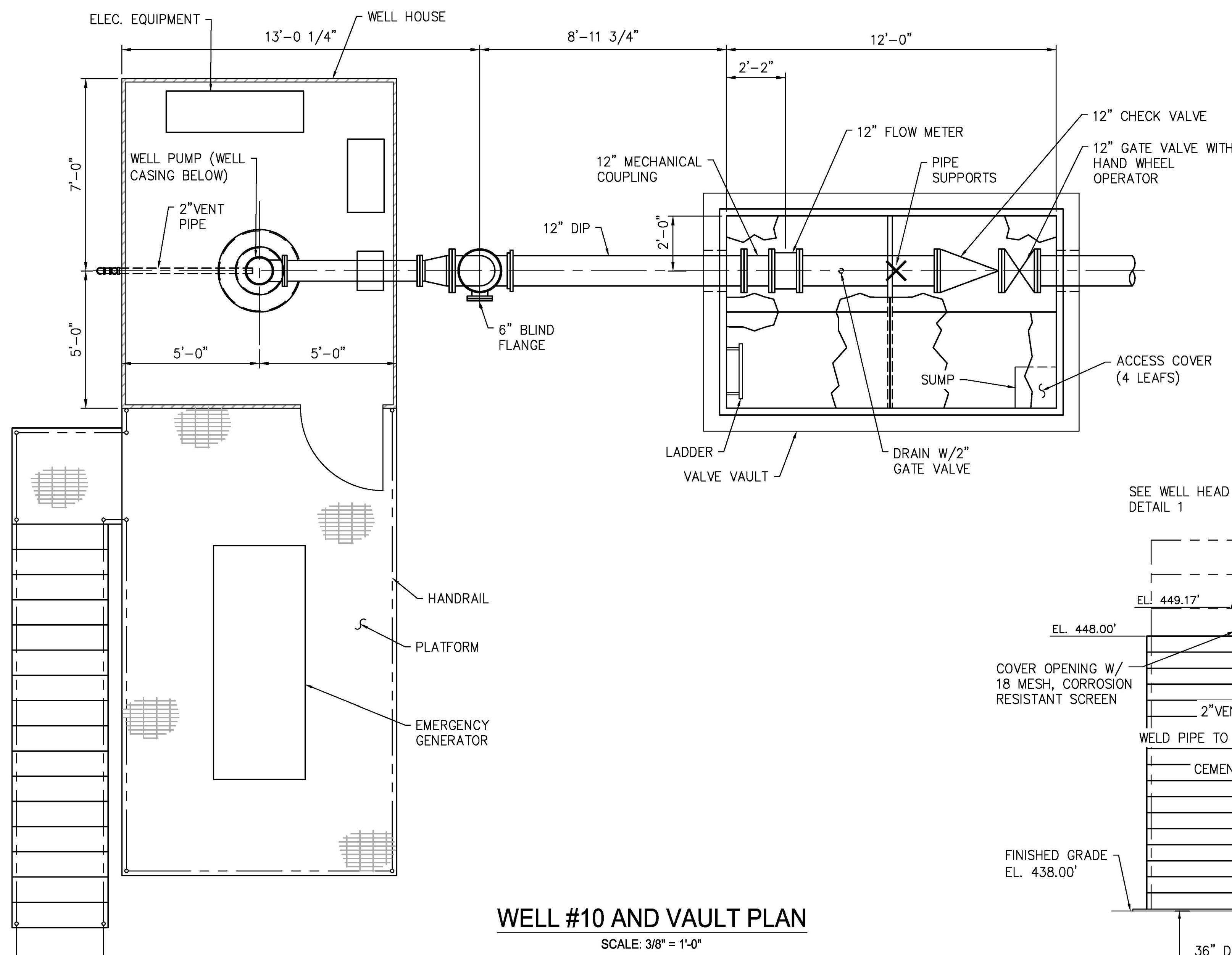
501 North Broadway
St. Louis, Missouri 63102-2131
Phone 314-335-4000

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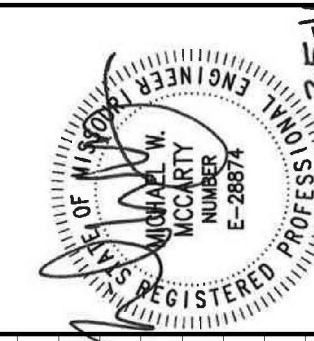



25-16





- NOTES:**
1. INSULATE ALL EXPOSED PIPING WITH A MIN. OF 1½" THICK AP / ARMAFLEX PIPE INSULATION (OR APPROVED EQUAL). INSULATION SHALL BE APPLIED WITH BUTT JOINTS STAGGERED AND ALL JOINTS TIGHTLY BUTTED AND SEALED & COATED WITH ARMAFLEX 520 ADHESIVE (OR APPROVED EQUAL). JACKET MATERIAL SHALL BE ALUMINUM, 0.016" MIN. THICKNESS WITH MOISTURE BARRIER ON INSIDE, SMOOTH FINISH, WEATHER PROOF "Z" TYPE LONGITUDINAL JOINT. ELBOWS, FITTINGS, FLANGES & VALVES JACKETING SHALL BE ALUMINUM, 0.020" MIN. THICKNESS, WITH 2" MIN. STRAIGHT END SECTION FOR OVERLAPPING ADJACENT JACKETING WITH MOISTURE BARRIER ON INSIDE. BANDING SHALL BE TYPE 304 OR 316 STAINLESS STEEL ½" MIN. WIDTH AND 0.015" MIN THICKNESS, INSTALLED WITH A MAX SPACING ON 12" CENTERS. WING SEALS SHALL BE TYPE 304 OR 316 STAINLESS STEEL ½" WIDE, 0.032" THICKNESS WITH ANNEALED TEMPER. JACKETING/FLASHING SEALANTS SHALL BE CHILDERS CHIL-BYL CP-76 OR FOSTER ELASTOLAR 95-44 FROM H.B. FULLER CONSTRUCTION PRODUCTS INC. (FOSTERPRODUCTS.COM) OR APPROVED EQUAL.
 2. AIR RELEASE VALVE SHALL BE INSULATED AND HEATED WITH THERMAXX OUTDOOR AIR RELEASE VALVE INSULATION JACKET WITH HEAT TRACE READY OPTION INCLUDED.



Rev.	Date	Description	Drawn	Cheated	Approved	Submitted	Seal
							

ELM POINT WATER TREATMENT PLANT - WELLFIELD EXPANSION

St. Charles, Missouri
Public Works Water Division

JACOBS

Title
MECHANICAL
WELL #10
PLAN & SECTION

Date	FEBRUARY 2016
Designed	R. DAHMER
Drawn	J. WINKELMANN
Checked	M. McCARTY
Approved	M. McCARTY
Submitted	02/05/16
Drawing Number	

M-01

ISSUE FOR BID